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=> d his

     (FILE 'HOME' ENTERED AT 14:56:12 ON 15 DEC 2004)

     FILE 'MEDLINE' ENTERED AT 14:56:30 ON 15 DEC 2004
L1             4 S BK4
L2             0 S SLO ION CHANNEL
L3           847 S SLO
L4             0 S L1 (L) L3
L5             0 S BK BETA 4
L6            30 S BK (W) (BETA OR B) AND.4
L7         36653 S ION CHANNEL
L8             0 S L6 (L) L7
L9             0 S L7 AND L6

     FILE 'CAPLUS, USPATFULL, MEDLINE, BIOSIS' ENTERED AT 15:01:44 ON 15 DEC
     2004
L10            4 S BK BETA 4
L11            5 S BK (W) (BETA OR B) (W)4
L12            4 DUP REM L11 (1 DUPLICATE REMOVED)
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L12 ANSWER 1 OF 4 USPATFULL on STN
AN 2004:159292 USPATFULL
TI Use of inhibitors of the cellular Na+/H+ exchanger (NHE) for preparing a medicament for normalizing serum lipids
IN Lang, Hans Jochen, Hofheim, GERMANY, FEDERAL REPUBLIC OF
Jansen, Hans-Willi, Niederhausen, GERMANY, FEDERAL REPUBLIC OF
Schwark, Jan-Robert, Kelkheim, GERMANY, FEDERAL REPUBLIC OF
Kleemann, Heinz-Werner, Bischofsheim, GERMANY, FEDERAL REPUBLIC OF
Jung, Oliver, Lahnau, GERMANY, FEDERAL REPUBLIC OF
Schafer, Hans-Ludwig, Hochheim, GERMANY, FEDERAL REPUBLIC OF
Linz, Wolfgang, Mainz, GERMANY, FEDERAL REPUBLIC OF
Kramer, Werner, Mainz-Laubenheim, GERMANY, FEDERAL REPUBLIC OF
Scholkens, Bernward, Kelkheim, GERMANY, FEDERAL REPUBLIC OF
Falk, Eugen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
PA Hoechst Aktiengesellschaft (non-U.S. corporation)
PI US 2004122096 A1 20040624
AI US 2003-680275 A1 20031008 (10)
RLI Continuation of Ser. No. US 2000-689692, filed on 13 Oct 2000, ABANDONED
Continuation of Ser. No. US 1998-194749, filed on 3 Dec 1998, ABANDONED
A 371 of International Ser. No. WO 1997-EP2548, filed on 20 May 1997, UNKNOWN
PRAI DE 1996-19622222 19960603
DE 1997-19712636 19970326
DT Utility
FS APPLICATION
LN.CNT 8831
INCL INCLM: 514/560.000
NCL NCLM: 514/560.000
IC [7]
ICM: A61K031-20
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d l12 1-4 ti au py so abs

L12 ANSWER 1 OF 4 USPATFULL on STN
TI Use of inhibitors of the cellular Na+/H+ exchanger (NHE) for preparing a medicament for normalizing serum lipids
IN Lang, Hans Jochen, Hofheim, GERMANY, FEDERAL REPUBLIC OF
Jansen, Hans-Willi, Niederhausen, GERMANY, FEDERAL REPUBLIC OF
Schwark, Jan-Robert, Kelkheim, GERMANY, FEDERAL REPUBLIC OF
Kleemann, Heinz-Werner, Bischofsheim, GERMANY, FEDERAL REPUBLIC OF
Jung, Oliver, Lahnau, GERMANY, FEDERAL REPUBLIC OF
Schafer, Hans-Ludwig, Hochheim, GERMANY, FEDERAL REPUBLIC OF
Linz, Wolfgang, Mainz, GERMANY, FEDERAL REPUBLIC OF
Kramer, Werner, Mainz-Laubenheim, GERMANY, FEDERAL REPUBLIC OF
Scholkens, Bernward, Kelkheim, GERMANY, FEDERAL REPUBLIC OF
Falk, Eugen, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
AB Use of inhibitors of cellular Na.sup.+/H.sup.+ exchanger (NHE) for the production of a medicament for the normalization of serum lipids

The active compounds identified as inhibitors of the cellular Na.sup.+/H.sup.+ exchanger (NHE are used for the production of a medicament for the normalization of serum lipids.

They are used for the production of a medicament for lowering the blood lipid level and illnesses caused thereby, as well as of endothelial dysfunction syndrome and illnesses caused thereby.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 2 OF 4 USPATFULL on STN DUPLICATE 1
TI Beta subunits of Slo family potassium channels
IN Jegla, Timothy J., Durham, NC, United States
Wickenden, Alan, Cary, NC, United States
Liu, Yi, Cary, NC, United States
AB The invention provides isolated nucleic acid and amino acid sequences of BK beta 2, BK beta 3, and **BK beta 4**, antibodies to the BK beta subunits, methods of detecting the BK beta subunits, methods of screening for modulators of Slo potassium channels comprising BK beta subunits, and kits for screening for activators and inhibitors of the Slo family potassium channels comprising BK beta subunits.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
TI BKβ subunits of slo family potassium channels and cDNAs encoding them
IN Jegla, Timothy James; Wickenden, Alan; Liu, Yi
PY 2000
2000
2001
2002
2003
SO PCT Int. Appl., 84 pp.
CODEN: PIXXD2
AB The invention provides isolated nucleic acid and amino acid sequences of BKβ2, BKβ3, and **BK.beta.4**, antibodies to the proteins, methods of detecting them, methods of screening for modulators of Slo potassium channels comprising BK beta subunits, and kits for screening for activators and inhibitors of the Slo family potassium channels comprising BK beta subunits.

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
TI hKCNMB3 and hKCNMB4, cloning and characterization of two members of the large-conductance calcium-activated potassium channel β subunit family
AU Behrens, R.; Nolting, A.; Reimann, F.; Schwarz, M.; Waldschutz, R.; Pongs, O.
PY 2000
SO FEBS Letters (2000), 474(1), 99-106
CODEN: FEBLAL; ISSN: 0014-5793
AB We cloned two β subunits of large-conductance calcium-activated potassium (BK) channels, hKCNMB3 (BKβ1) and hKCNMB4 (**BK.beta.4**). Profiling mRNA expression showed that hKCNMB3 expression is enriched in testis and hKCNMB4 expression is very prominent in brain. We coexpressed BK channel α (BKα) and **BK.beta.4** subunits in vitro in CHO cells. We compared BKα/β4 mediated currents with those of smooth muscle BKα/β1 channels. **BK.beta.4** slowed activation kinetics more significantly, led to a steeper apparent calcium sensitivity, and shifted the voltage range of BK current activation to more neg. potentials than BKβ1. BKα/β4 channels were not blocked by 100 nM charybdotoxin or iberiotoxin, and were activated by 17β-estradiol.